



LOCKING GRADE RING



TYPICAL LOOP LEAD-IN DETAILS
AT PAVEMENT JOINT



- a. 21 (3/4") C, Type 3 conduit 150 mm (6") long minimum, plug both ends with caulking compound to keep out sealant.
- b. 13 mm (1/2") minimum between top of conduit and pavement surface.
- c. Saw cut shall not exceed 25 mm (1") in width and 3 mm (1/8") longer than conduit to be installed.
- d. Conductors with 13 mm (1/2") minimum slack inside conduit.
- e. Inductive loop detector saw slot.



INSTALLATION REQUIREMENTS

TYPE B DETECTORS HANDHOLE

1. Outline of trench shall be saw cut to a minimum depth of 80 mm (3 1/8") except where asphalt concrete overlay is to be placed.
2. The valve box shall be fabricated of calcium carbonate and polyester resins with fiberglass reinforcement and designed for heavy traffic loads.
3. Cast iron lid shall be marked "Detector" and shall be secured in place by applying waterproof silicone sealant. Valve box shall be centered on lane line, unless otherwise shown on the plans.
4. Entire length of trench, from valve box to adjacent pull box, shall be backfilled with portland cement concrete except the top 50 mm (2") in asphalt concrete surfaced roadways shall be backfilled with asphalt concrete.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**SIGNAL, LIGHTING AND
ELECTRICAL SYSTEMS
DETECTORS**

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

ES-5E